

Product datasheet for **TA319149**

Fetuin A (AHSG) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:40,000 - 1:200,000, WB: 1:10,000 - 1:20,000
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	This purified antibody was prepared from rabbit serum after repeated immunizations with a recombinant human fetuin (α_2 -HS glycoprotein) processed to remove a 40 amino acid residue bridging peptide resulting in the mature form of the protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	alpha 2-HS glycoprotein
Database Link:	NP_001613 Entrez Gene 197 Human P02765
Synonyms:	A2HS; AHS; FETUA; HSGA



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Note: Human fetuin (2-Heremans-Schmid-glycoprotein or α_2 -HS-glycoprotein) is a major plasma glycoprotein predominantly synthesized in the liver. Human fetuin is named after its bovine homolog. Fetuins are found in most mammals. Human fetuin is a negative acute-phase protein; normal circulating levels in adults (300–600 $\mu\text{g/ml}$) fall significantly (30–50%) during injury and infection. The biological role of fetuin is unknown, although it has been implicated as an immunomodulator that can participate in stimulation of bacterial phagocytosis by neutrophils and promotion of endocytosis by mouse macrophages. Hepatocytes are the principal cell source of circulating fetuin, but it also is expressed by monocyte/macrophages. Fetuins occur in large amounts in blood and cerebrospinal fluid and accumulate to high concentrations in calcified bone. The fetuin promoter region has several potential interleukin 6-responsive elements, and its synthesis is down-regulated during injury and inflammation. Fetuin is an acidic glycoprotein with three N-linked and three O-linked oligosaccharide chains, whose terminal sugar residues are rich in sialic acid (N-acetylneuraminic acid), contributing to its net negative charge. A role for fetuin as a carrier of bioactive molecules has been proposed based on observations that it binds and carries Ca^{2+} ion. Fetuin is implicated in bone remodeling, immune function and may play a role in tumor progression of certain cell types.

Protein Families: Druggable Genome, Secreted Protein

Product images:



WB of Fetuin. Anti-Human Fetuin antibody, generated by immunization with mature protein, was tested by WB against fetuin in purified preparations and in human plasma. Lane 1 contains 250 ng of purified human fetuin. Lane 2 contains 5 μl of a 1:50 dilution of human serum. Dilution of Anti-Human Fetuin antibody between 1:10,000 and 1:20,000 showed strong reactivity by WB. In this blot the antibody was used at a 1:10,000 dilution.